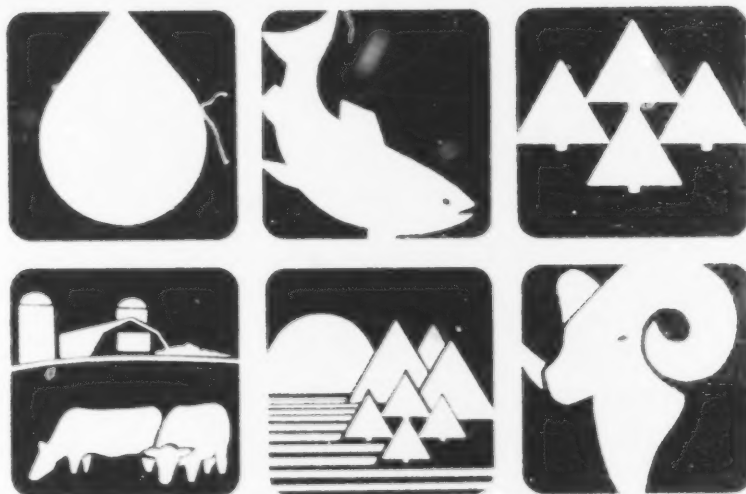


5.

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Fall 1982



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COAL

COAL SLURRY PIPELINE FEASIBILITY STUDY 1981 —

Fluor Canada Ltd. Consultants for Energy and Natural Resources, and Economic Development. (756pp., maps, illus.). Study to determine the technical feasibility and estimated cost of the slurry pipeline transport of thermal coal from Western Canadian sources to a Canadian west coast coal transshipment facility for eventual export to foreign markets. \$150 by money order or cheque payable to The Provincial Treasurer.

*COAL SLURRY PIPELINE FEASIBILITY STUDY 1981 - EXECUTIVE SUMMARY — Fluor Canada Ltd. Consultants for Energy and Natural Resources, and Economic Development. (27pp., maps).

*INTERIM GUIDELINES FOR THE CALCULATION OF CROWN ROYALTY ON MARKETABLE COAL AND OTHER PRODUCTS EFFECTIVE JULY 1, 1976 (1976, 10pp.). Guidelines to assist industry with the requirements of the Coal Royalty Regulations.

ENERGY CONSERVATION

*ENERGY EFFICIENT HOUSING — A PRAIRIE APPROACH (1982, 35pp., illus., tables). A construction guide for building an energy-efficient house, produced in conjunction with Saskatchewan Energy and Mines and Manitoba Department of Energy and Mines.

‡ENERGY EFFICIENT HOUSING SYMPOSIUM (1981, 136pp., illus., tables). Proceedings of the symposium held November 24-26, 1980, Edmonton, Alberta.

*LOW ENERGY HOME DESIGNS (1982, 94pp., illus., tables). Guide for planning and designing a low energy home, produced by Alberta Agriculture with assistance from Energy Conservation Branch, Energy and Natural Resources.

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- † Distribution limited to libraries, scientific researchers, etc. but may be viewed in the Alberta Energy and Natural Resources (ENR) library.
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†MUNICIPAL ENERGY CONSERVATION IN ALBERTA —

Anna Parkinson and W.A. Ross, Urban Consultants Ltd. for Energy Conservation Branch, ENR. (1982, 94pp., tables). Survey of Alberta municipalities to evaluate their interest in energy management and identify their needs.

MINERALS

†DIAMOND DRILL CORE SELECTION AND STORAGE PROGRAM (1982, 25pp.). An outline providing information and guidelines to the mineral resources industry and interested parties (Subcommittee Meeting of Provincial Geologists).

OIL SANDS AND HEAVY OILS

*ALBERTA OIL SANDS FACTS AND FIGURES (1979, 67pp., illus., tables). Complete to December 31, 1978. A report on the disposition of lands in the major oil sands deposits of Alberta, and reserves data.

PETROLEUM AND NATURAL GAS

*CANADIAN ASSOCIATION OF PETROLEUM PRODUCTION ACCOUNTING: LOW PRODUCTIVITY SEMINAR: CALGARY INN, CALGARY (1978, 17pp.). A summary of data presented by Alberta Energy and Natural Resources.

*CONVERSION OF THE NATURAL GAS AND PENTANES ROYALTY FORMULAE TO SI(METRIC) UNITS FOR ROYALTY CALCULATIONS AND VERIFICATION PURPOSES (1979, 4pp.). The conversion for calculating Crown royalty on natural gas and associated by-products.

*CONVERSION OF THE PETROLEUM ROYALTY FORMULA SI (METRIC) UNITS FOR ROYALTY CALCULATION (ETC.) — C.A. Graff (1982, illus., tables). Energy Resources Information Letters giving the factors necessary to calculate conventional royalty from January 1982-July 1982. Information Letters 82-16, 82-2 and 82-10.

†GUIDELINES FOR THE CALCULATION AND REPORTING OF NATURAL GAS AND ASSOCIATED BY-PRODUCTS ROYALTY (1979, 136pp.). Amended, April 1982. Guidelines to assist

industry with the requirements of the Natural Gas Royalty Regulations.

*INTERIM GUIDELINES FOR THE ADMINISTRATION OF SECTION 4.2 OF THE PETROLEUM ROYALTY REGULATIONS EFFECTIVE JANUARY 1, 1977 (amended June 19, 1979; further amendments expected). Guidelines to assist industry in interpreting the regulations.

*NEW GAS ROYALTY REPORTING SYSTEM EFFECTIVE JANUARY 1979 PRODUCTION: CALGARY CONVENTION CENTRE: FEB. 6, 7, 8, 1979 (1979, 60pp.). Summary of data presented by Alberta Energy and Natural Resources at the seminar.

‡A REVIEW OF COMPATIBILITY PROBLEMS IN THE JOINT USE OF CORRIDORS BY PIPELINES AND POWERLINES — L. James (1981, 20pp., illus.).

POLICY AND LEGISLATION

ALBERTA ENERGY STATUTES AND REGULATIONS

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*A COAL DEVELOPMENT POLICY FOR ALBERTA (1976, 47pp.). A statement of the policy and its elements, as well as the administrative procedures concerning individual coal development proposals. NOTE: Being revised.

*ENERGY RESOURCES INFORMATION LETTERS (1974 to present, serial). Letters clarifying energy legislation and offering other policy communications and directives of interest to industry. (An index to the letters is available on request.)

†OIL AND GAS TENURE LEGISLATION AND PRACTICE IN THE PROVINCE OF ALBERTA: APRIL 1977. An explanation of the administration of the then-new legislation, dealing with the land tenure system.

†SUMMARY OF ALBERTA LEGISLATION: PETROLEUM AND NATURAL GAS: TO DECEMBER 31, 1977 (n.d., 20pp.). An overview and interpretation of legislation in effect during 1977.

UNCONVENTIONAL ENERGY SOURCES

*ENERGY AND CHEMICALS FROM WOOD (1979, 55pp., illus., tables). A review of current technology and a feasibility study use in Alberta.

‡PROPANE AS AN ALTERNATIVE TRANSPORTATION FUEL IN ALBERTA: FINAL REPORT — IBI Group Consultants (1980, 92pp., illus., tables). Consultant's report on the potential in Alberta for the use of propane.

*PROSPECTS FOR SOLAR AND WIND ENERGY UTILIZATION IN ALBERTA (1978, 101pp., illus., tables). A report reviewing solar and wind energy resources and evaluating the application in Alberta.



AQUACULTURE

- †GAME FISH FARMING IN ALBERTA — B.A. Barton and A.J. Chamberlain (1981, 24pp., maps, illus.). Guidelines for fish farmers, and a summary of common problems in trout farming.

DEVELOPMENT (See also WILDLIFE - GENERAL)

- ‡BUCK FOR WILDLIFE FUND PROGRESS REPORT 1973/74 — R. Makowecki (10pp., maps, illus., tables).
- ‡BUCK FOR WILDLIFE ACTIVITIES SUMMARY REPORT 1975/76 (1976, 34pp., illus., tables).
- ‡BUCK FOR WILDLIFE: ANNUAL REPORT 1976/77 (1977, 22pp., maps, tables).
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- ‡BUCK FOR WILDLIFE IMPROVEMENT PROJECTS - PROGRAM PROGRESS REPORTS:
- CARSON LAKE IMPROVEMENT PROJECT — R. Makowecki, C. Hunt and L. Hilderbrandt (1978, 37pp., maps, illus., tables).
 - EAGLE LAKE IMPROVEMENT PROJECT — R. Makowecki and C. Hunt (1978, 12pp., maps, illus., tables).
 - FIGURE EIGHT LAKE DEVELOPMENT PROJECT — R. Makowecki and F. Bishop (1978, 9pp., maps, illus., tables).
 - LETHO RESERVOIR IMPROVEMENT PROJECT — R. Makowecki (11pp., maps, illus., tables).
 - LITTLE BEAVERDAM LAKE IMPROVEMENT PROJECT — R. Makowecki and D. Radford (1975, 8pp., maps, illus., tables).
 - MITCHELL LAKE IMPROVEMENT PROJECT — R. Makowecki and M. Kraft (1975, 7pp., maps, illus., tables).
 - PEDLEY RESERVOIR IMPROVEMENT PROJECT — R. Makowecki and C. Hunt (1977, 13pp., maps, illus., tables).

- PIERRE GREYS LAKE FISH BARRIER IMPROVEMENT PROJECT — R. Makowecki and C. Hunt (1975, 10pp., maps, illus., tables).
- POLICEMAN CREEK IMPROVEMENT PROJECT — R. Makowecki and C.E. Thompson (1977, 12pp., maps, illus., tables).
- ROCKLAND BAY NARROWS IMPROVEMENT PROJECT — R. Makowecki and M. Kraft (1977, 8pp., maps, illus., tables).
- STAUFFER CREEK HABITAT IMPROVEMENT PROJECT (1974 11pp., maps, illus., tables).
- STREAMBANK PROTECTION IN ALBERTA — R. Makowecki (1980, 29pp., illus.). A review of the loss of fish habitat and declining water quality from livestock grazing, and a description of the methods used in the Buck for Wildlife Program to maintain, improve, and develop wildlife and fisheries habitats.

FISHERIES REPORTS

- ‡BIOLOGICAL SURVEY OF GULL LAKE: 1969 — M.E. Kraft (1977, 54pp., illus., tables). A study of fish populations and the limnology of Gull Lake.
- ‡BIOLOGICAL SURVEY: WAPITI RIVER 1970-74 — P. Paetkau and F. Bishop (n.d., 28pp., illus., tables). A report on the river's biological condition, determined from samples of the benthic fauna and fish, before the establishment of a pulp mill.
- ‡CHARACTERISTICS OF SOME CANADIAN SHIELD LAKES IN ALBERTA — L.A. Rhude (1977, 109pp., illus., tables). A report collecting and organizing data on 49 lakes previously surveyed in the shield region. For each lake there is a bathymetric map, resume of physical, chemical, and biological features, and a rating for sport fishery potential.
- ‡CHARACTERISTICS OF THE LAKES AND PONDS WITHIN THE EDMONTON AREA — L.A. Rhude (1979, 55pp., illus.). Data on 67 lakes, including a rating for sport fishing.

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- ‡COMPETITIVE FEEDING HABITS OF RAINBOW TROUT, WHITE SUCKER, AND LONGNOSE SUCKER IN PAINE LAKE, ALBERTA — B.A. Barton and B.R. Bidgood (1980, 27pp., illus., tables). A study comparing the food habits of trout and suckers during summer.
- ‡COMPOSITION AND STANDING CROP OF BENTHIC INVERTEBRATE COMMUNITIES OF NINE STREAMS IN THE LIVINGSTONE DRAINAGE DISTRICT OF ALBERTA — D.S. Radford (1977, 15pp., illus., tables). A determination in 1973 of the benthic invertebrate communities of the Oldman and Livingstone Rivers and the Ridge, Coar, Isolation, Savanna, Honeymoon, Slacker and Pasque Creeks.
- ‡EVALUATION OF ALBERTA'S FISHERY MANAGEMENT PROGRAM FOR EAST SLOPE STREAMS — D.S. Radford (1977, 66pp., illus., tables). Results of census studies conducted to evaluate policy to ensure adequate natural reproduction of cutthroat trout and permit them to reach a desirable size for the creel.
- †FIELD SURGICAL PROCEDURE FOR IMPLANTATION OF RADIO TAGS IN FISH — B.F. Bidgood (1980, 9pp., tables). Equipment and methods used for implanting tags in the field.
- ‡FISH SPECIES COMPOSITION AND DISTRIBUTION IN NINE STREAMS IN THE LIVINGSTONE DRAINAGE DISTRICT OF ALBERTA — D.S. Radford (1974, 12pp., illus., tables).
- ‡FISHES OF ABRAHAM LAKE (RESERVOIR) AND THE UPPER NORTH SASKATCHEWAN RIVER — C.D. Tebby (1974, 87pp., illus., tables). A study, from 1972 to 1974, of the aquatic fauna.
- ‡HABITAT SURVEYS OF SCALP, BIGHORN, EAGLE, WILDHORSE, YARA, McCUE, WIGWAM, UNNAMED, SHEEP, AND DOGRIB CREEKS: 1972/73 — L. Firth (1975, 68pp., illus., maps, tables). An inventory and assessment of the waters.
- ‡HARVEST OF LAKE STURGEON (ACIPENSER FULVESCENS) IN THE SOUTH SASKATCHEWAN RIVER FROM 1968 TO 1972 — D.S. Radford (1972, 19pp., illus., tables). Results of a sturgeon-angling questionnaire assessing the anglers and various aspects of the harvest, such as the use of minnows as bait.
- ‡IMPACT OF THE UNLICENCED ANGLER ON THE SPORTS FISHERY IN ALBERTA — J.E. Carss, C.E. Strenton and E.J. Psikla (1978, 20pp., tables). The results and recommendations of a three-year study into the number of unlicensed anglers, their fishing habits, and their catch.
- †KANANASKIS COUNTRY FISH AND WILDLIFE BIBLIOGRAPHY: PLANNING DOCUMENT NO. 1 — D.L. Pachal and J. Van Camp (1979, 60pp.). Citations on the fish and wildlife resources and development potential of Kananaskis Country.
- †MIGRATORY BEHAVIOR OF THE MAJOR SALMONID FISHES, RAINBOW TROUT, DOLLY VARDEN CHAR AND MOUNTAIN WHITEFISH IN THE TRI-CREEK WATERSHED, 1969 to 1978: THE TRI-CREEKS WATERSHED REPORT NO. 6 — G.L. Sterling (1980, 64pp., illus., tables). The spawning and movements of three species in the McLeod River and Wampus Creek.
- †PHYSIOLOGICAL STRESS IN FISH: A LITERATURE REVIEW WITH EMPHASIS ON BLOOD CORTISOL DYNAMICS — B.A. Barton and L.T. Toth (1980, 18pp.).
- ‡POLLUTION SURVEY: OLDMAN RIVER/BOW RIVER/RED DEER RIVER/NORTH SASKATCHEWAN RIVER 1969-1970 — G.N. Haugen (1970, 31pp., illus.). Summary of biological sampling of rivers from a pollution or water quality point of view.
- ‡POPULATION DYNAMICS, AGE, AND GROWTH OF RAINBOW TROUT (SALMO GAIARDNERI) AND DOLLY VARDEN (SALVELINUS MALMA) IN THE TRI-CREEK WATERSHED, 1971 to 1977: THE TRI-CREEKS WATERSHED STUDY REPORT NO. 2 — G.L. Sterling (1978, 86pp., illus., tables). A report on the species present, including Rainbow Trout and Dolly Varden estimates and growth patterns, the annual age structure of populations, length-weight relationships, and the sex ratios of rainbow trout.
- ‡POTENTIAL IMPACT OF A SMALL MESH FISHERY ON A LAKE WHITEFISH POPULATION — K.A. Zelt (1977, 14pp., illus., tables).
- ‡PRELIMINARY FISHERIES SURVEY OF THE WINEFRED-PELICAN AREA — W.E. Griffiths and D.B. Ferster (1974, 449pp., illus., tables). The

results of a 1973 survey, combined with data from 1949, 1957, and 1969, on 11 major watersheds and two minor watersheds. Fish populations, bottom fauna, chemical and physical water quality, and a classification of waters by their sports fishing potential are covered.

‡PRELIMINARY SURVEYS OF SULPHUR AND CUTBACK LAKES — PEACE RIVER REGION — F. Bishop (n.d., 23pp., illus., tables). The results of lake surveys done in 1969.

†PROCURING AND TRANSPORTING WALLEYE EGGS FROM REMOTE LOCATIONS TO A CENTRALIZED HATCHERY — B.F. Bidgood (1980, 20pp., maps, illus., tables). A report testing and comparing techniques for spawning, hardening, and transporting walleye eggs from an isolated location to a hatchery.

†RAINBOW TROUT POPULATIONS (SALMO GAIIRDNERI, RICHARDSON) AND OTHER FISH OF THREE STREAMS IN THE FOOTHILLS OF ALBERTA — K.G. Dierz (1971, 71pp., maps, illus., tables). Descriptive features of rainbow trout populations in headwater tributaries, and discussion of the possible effects of clearcut logging.

‡REPORT OF THE SELECT COMMITTEE ON RECREATIONAL AND COMMERCIAL FISHING INDUSTRIES IN ALBERTA (1980, 61pp.). A review of policies, legislation, and public opinions on the management of Alberta's fishery resources, for consideration by the Legislative Assembly.

‡SUMMARY REPORT: BIOLOGICAL POLLUTION SURVEYS: OLDMAN RIVER, BOW RIVER, RED DEER RIVER, NORTH SASKATCHEWAN RIVER — P. Paetkau:
 ● 1969-70
 ● 1970-71
 Investigation of the pollution status of the rivers.

†SURVEY OF THE FISH POPULATION AND HABITAT IN PRAIRIE CREEK, 1974-1975 — L. Fitch (1981, 54pp., maps, illus., tables). A description of stream habitat characteristics, water quality, benthic invertebrates, fish species, population size, and age and growth characteristics of fish.

‡SURVEY OF THE FISH POPULATION AND HABITAT IN FALLENTIMBER CREEK, 1973-74 — L. Fitch (1977, 39pp., illus., tables). A survey of the habitat conditions and fish populations.

‡TOLERANCE OF RAINBOW TROUT TO DIRECT CHANGES IN WATER TEMPERATURE — B.F. Bidgood (1980, 10pp., tables). A study of the effect of increasing water temperatures on the mortality of four sizes of rainbow trout.

‡TROPHY PIKE OF SEIBERT LAKE (CONDENSED VERSION) — R. Makowicki (1973, 46pp., illus., tables). The study of a trophy lake to discover factors which affect a trophy fishery resource and to recommend practices to manage and enhance this resource.

‡TROUT STOCKING IN STREAMS: A REVIEW — L.A. FITCH (1977, 24pp.). A review of recent literature on the survival of stocked trout, the yield effect of stocking on resident populations, and recommendations for stocking based on these findings.

‡WATER QUALITY CHARACTERISTICS OF NINE STREAMS IN THE LIVINGSTONE DRAINAGE DISTRICT OF ALBERTA — D.N. Griffith (1975, 28pp., illus., tables). Results of a 1973 study into the water quality of the Oldman and Livingstone Rivers and seven tributaries, in order to assess the possible effect of a future strip-mining operation.

‡WATER QUALITY OF SOME COAL MINE EFFLUENTS AND THEIR EFFECT ON STREAM BENTHOS AND FISH — D.S. Radford and D.N. Graveland (1978, 58pp., illus., tables).

‡ALBERTA'S FENCE POST INDUSTRY: 1970-74 - B. Karaim (1975, 33pp., illus.). A review of the state of the industry, including a list of the industries in Alberta.

‡ALBERTA'S RAILWAY CROSSTIE INDUSTRY: 1970-76 - B.W. Karaim (1977, 24pp., tables). A study of the industry.

*A DIRECTORY OF PRIMARY WOOD-USING INDUSTRIES IN ALBERTA: 1979 W.J. Ondro, B.W. Karaim, R.A. Bohning, and G.R. Strevenson (1980, 292pp., maps, tables). Results of a survey of sawmills, planing mills, plywood mills, wood treating plants, and pulp, paper, and paperboard mills. Mill location, ownership, capacity, wood supply, current production and employment, products, markets, marketing agents, woodlands equipment, and mill facilities are given.

†LUMBER AND PANEL PRODUCTS IMPORTED INTO THE CALGARY AREA IN 1976 (1978, 42pp., tables). A market survey of the Calgary area considering domestic consumption, types of products, prices, end-users, origin of products, and methods for shipping products.

*PUBLIC HEARINGS ON PROPOSED TIMBER DEVELOPMENTS: BERLAND-FOX CREEK AREA, GRAND CACHE, JULY 16, 17, 19, 20, 1979: VOL. I and II. (1979, 444pp. and 556pp.).

†SUPPLY AND DEMAND UTILITY POLES IN ALBERTA - B. Karaim (1975, 29pp., illus.). Compiled statistics for 1970-1974, including a list of producers.

FOREST MANAGEMENT

THE ENVIRONMENTAL EFFECTS OF TIMBER HARVESTING IN ALBERTA: VOL. I and II (1973). Prices: project reports (2 volumes) — \$10.00: map and overlays — \$10.00.

‡A TENTH-YEAR REVIEW OF STAND RENEWAL UNDER THE QUOTA SYSTEM OF TIMBER MANAGEMENT IN ALBERTA — D. Crossley (1977, 79pp.).

†TIMBER HARVEST CUT BLOCK DESIGN — C. Henderson (1977, 38pp., illus., tables). A manual on the planning and harvesting ground rules for cut block design, considering the influences of wind, wildlife, silviculture, controlled burning, watershed management, aesthetics, and harvesting.

REFORESTATION

Also see: LAND — Reclamation

†ALBERTA FOREST REGENERATION SURVEY MANUAL (1979, 43pp.). A manual presenting a systematic and standard approach for determining stocking of desired tree species on cut-over or other denuded lands.

*CONTAINERIZED SEEDLING PROCESSING SYSTEM (PINE RIDGE FOREST NURSERY) — H.R. Winn and W. Dubbeldam (1981, 12pp., illus.). A description of equipment used in growing containerized seedlings at the nursery.

*PINE RIDGE FOREST NURSERY (1980, 18pp., illus.). Background about the construction of the nursery and information on its various functions such as seed extraction, cleaning and storage, container seedling production, bareroot seedling production, and research.

‡SCARIFICATION FOR REFORESTATION (booklet, 1977, 72pp., illus.). A manual for forest managers, to develop prescriptions for preparing forest sites for reforestation.



GENERAL

*PLAN REQUIREMENTS FOR FINAL PLANS SUBMITTED BY GAS CO-OPS IN SUPPORT OF PIPELINE AGREEMENT APPLICATIONS (1977, information sheet). A guide to the information which must be indicated on plans submitted by gas co-ops.

*REQUIREMENTS FOR PLANS FOR LICENCE OF OCCUPATION (1977, information sheet). An outline of plans required by the department in support of licence of occupation applications involving public lands.

*REQUIREMENTS FOR SURVEY PLANS (1977, information sheet). Details of survey plans required by the department, covering industrial and mineral developments on public lands (surface lease dispositions).

‡THE ROUTE SELECTION PROCESS: A BIOPHYSICAL PERSPECTIVE (1980, 36pp., illus., tables). An examination of five methods for selecting a linear route.

†THE ROUTE SELECTION PROCESS: ENVIRONMENTAL APPROACHES: SEMINAR PROCEEDINGS (1981, 79pp.)

RANGE

‡FORAGE PRODUCTION ON SELECTED NATIVE PRAIRIE SITES IN SOUTHERN ALBERTA — S.G. Klumph, A. Johnson, B. Schuler, S. Smoliak, and R. Wroe (1979, 36pp.). Results of forage clipping studies on selected native range sites and the basis for determining stocking rates.

‡RANGE: A SELECTED BIBLIOGRAPHY OF RESEARCH AND INFORMATION (1975, 201pp.). A listing of publications related to range research and livestock production on range or pasture.

*RANGE MANAGEMENT — G. Maduram (1980, 106pp.). A reference for field staff, covering management, improvements, poisonous

plants, range grasses, and range condition surveying.

‡SITE CLASSIFICATION FOR GRAZING (1981, 8pp.). A description of sites used to classify range types.

†SOUTHERN ALBERTA HERBICIDE APPLICATION PROJECT REPORT — S.E. Hoyles (1982, 54pp., tables). Various chemical applications for control of shrubby species are examined.

†SOUTHERN ALBERTA RANGE PRODUCTION - S.E. Hoyles (1982, 53pp., tables). An examination of the productivity of rangeland in southern Alberta.

RANGE RESEARCH

‡ADAPTIVE TRIAL AT PRAIRIE CREEK, CLEARWATER-ROCKY FOREST — G. Stuart (1974, 7pp.). The results of grass trials for grazing.

‡ADAPTIVE TRIAL WITH ARCTIC FESCUE AT HIGH LEVEL ALBERTA: FOOTNER LAKE FOREST — T.K. Thompson (1974, 6pp.). The results of a trial on the adaptability of arctic fescue for grazing.

‡DISTRIBUTION, ECOLOGY, AND MANAGEMENT OF FREE-RANGING HORSES IN ALBERTA — R. Salter (1978, 33pp.).

*EFFECT OF FIRE ON A SYMPHORICARPOS OCCIDENTALIS SHRUB COMMUNITY IN CENTRAL ALBERTA — M.L. Anderson and A.W. Baily (1979, 5pp., tables). Report on the response of a western snowberry plant community to fire. (Reprinted from the *Canadian Journal of Botany*.)

‡GRASS TRIAL FOR RANGE IMPROVEMENT AND EROSION CONTROL AT DIXONVILLE, ALBERTA, PEACE RIVER FOREST — S. Beebe and B. Johnson (1973, 7pp.). The results of a seeding trial using creeping red fescue, timothy, crested wheatgrass, and Kentucky bluegrass.

*HOW TO COLLECT PLANTS AND PREPARE A HERBARIUM — G. Maduram (1979, 27pp.).

*PRESCRIBED BURNING OF A FESTUCA-STIPA GRASSLAND — A.W. Bailey and M.L. Anderson (1978, 4pp., tables). Report on the response of the plant community to fire. (Reprinted from the *Journal of Range Management*.)

KEY TO AVAILABILITY:

* One copy on request.

† Distribution limited to libraries, scientific researchers, etc. but may be viewed in the Alberta Energy and Natural Resources (ENR) library.

‡ Out of print. May be viewed in the ENR library.

‡RANGE SURVEY OF BEAVERHILL LAKE SHORELINE GRAZING LEASES — Jerry Ehler (1981, 137pp., maps, illus., tables). Survey of resources of lake area to provide information for integrated resource management plan.

‡SUMMARY OF RANGE IMPROVEMENT EXPERIMENTS AND TRIALS IN THE FOREST AREAS OF ALBERTA — G. Maduram (1975, 39pp.). A review of the trials conducted by department staff.

‡TRIALS FOR RANGE IMPROVEMENT IN THE GRANDE PRAIRIE FOREST — D.E. Schenk (1974, 15pp.). A description of the grass trials conducted.

RECLAMATION

Also see: FOREST - Reforestation

†THE CADOMIN RECLAMATION RESEARCH PROJECT: FIRST YEAR RESULTS: 1978 — W. B. Russell and S. K. Takyi (1978, 44pp., illus., tables). The results of the first growing season of reclamation experiments established on an abandoned coal strip-mine.

†THE CADOMIN RECLAMATION RESEARCH PROJECT: SECOND YEAR RESULTS: 1979 — W.B. Russell and S.K. Takyi (1980, 54pp., illus., tables). The results of the second growing season of reclamation experiments established on an abandoned coal strip-mine.

†INFLUENCE OF AGRONOMIC GRASS-LEGUME MIXTURES ON THE PERFORMANCE OF COMMERCIAL SOFTWOOD TREE SPECIES USED IN RECLAMATION — P. King and M. Mihajlovich (1981, 22pp., illus., tables). Results of a study examining the effects of agronomic grass-legume mixtures and application rates on the performance of commercial softwood tree species.

†INFLUENCE OF ROLL-OUT MATS AND RIDGING ON THE ESTABLISHMENT OF PLANT COVER ON AN UNAMENDED COAL SPILL: A PROGRESS REPORT FOR:
• 1979 — S. K. Takyi (1980, 42pp., illus., tables).
• 1980 — S. K. Takyi and R.H. Lerich (1981, 26pp., illus., tables).

†METHODS OF ESTABLISHING NATIVE GRASSES ON COAL OVERBURDEN: FIRST YEAR RESULTS (1980) — S.K. Takyi (1981, 22pp., illus., tables). Progress report of an experiment to establish a native grass seed mix on an abandoned open-pit coal mine site southeast of Cadomin.

†NATIVE GRASS AND CULTIVATED GRASS-LEGUME SEED MIXTURE TRIALS ON SUBALPINE COAL-MINED DISTURBANCES IN ALBERTA — H. Tomm and W. B. Russell (1980, 41pp., illus.). A progress report.

‡NATIVE GRASS RECLAMATION RESEARCH: CONTAINER PLANTINGS IN THE EASTERN SLOPES OF ALBERTA — W. B. Russell (1979, 34pp.).

†PROGRESS REPORT ON THE TENT MOUNTAIN GRASS AND LEGUME RECLAMATION TRIALS — H. Tomm (1982, 25pp., tables). Results of a five-year study on the adaptability of 19 native grasses over five seeding rates and two fertilizer treatments on topdressed overburden.

‡PROGRESS REPORT ON A PROGRAMME TO SELECT AND EVALUATE NATIVE TREES AND SHRUBS FOR RECLAMATION IN THE ROCKY MOUNTAIN EASTERN SLOPES OF ALBERTA — P.J. King (1980, 5pp.).

‡RECLAMATION SURVEY OF THE PANTHER RIVER COAL EXPLORATION DISTURBANCES (1981, 45pp., maps, illus., tables). Findings of surveys carried out in 1980 and 1981 determining the reclamation success as indicated by vegetation establishment and erosion control.

†THE RESOURCE HANDBOOK (1979, 85pp., illus.). Guidelines for resource protection, of concern to industries involved with surface-disturbing operations on forested lands.

†REVIEW OF SEED PRETREATMENTS REQUIRED FOR GERMINATION OF CANDIDATE NATIVE TREE AND SHRUB SPECIES IN THE EASTERN SLOPES OF THE ROCKY MOUNTAINS AND FOOTHILLS OF ALBERTA — P. King (1980, 56pp.).

*SUMMARY OF CURRENT RECLAMATION STUDIES

(1981, 26pp.). A summary of field studies underway by the Reforestation and Reclamation Branch of Alberta Energy and Natural Resources.

†SURVEY OF NATIVE TREES AND SHRUBS ON DISTURBED LANDS IN THE EASTERN SLOPES —

W.B. Russell (1979, 38pp.). A report showing native trees and shrubs as potentially useful plant materials for reclamation in Alberta.

RESOURCE MANAGEMENT



Also see: FISH - FISHERIES REPORTS
FOREST - Management
WILDLIFE - Management

GENERAL

†MANAGEMENT ISSUES FOR PRIORITY AREAS WITHIN
SLAVE LAKE FOREST — D. Darrah and P. Short
(1977, 19pp., illus.).

NATURAL RESOURCES INFORMATION DIRECTORY:
1982 (1982, 284pp., maps). An index for
identifying and accessing natural resource and
land information on Alberta. Price: \$5.00 for
non-government agencies. (Can be
invoiced.) Available from Map and Air Photo
Distribution Centre.

‡A POLICY FOR RESOURCE MANAGEMENT OF THE
EASTERN SLOPES (1977, 19pp., illus.). (Out of
print. Being revised late 1982.)

INVENTORIES AND EVALUATIONS

‡ALBERTA FOREST SERVICE BACKGROUND PAPERS FOR
INTEGRATED RESOURCE PLANS: (Maps
available on request).

- BERLAND REGIONAL PLAN (1981, 180pp.,
maps, tables).
- BRAZEAU-PEMBINA SUB-REGIONAL PLAN
(1981, 146pp., illus., tables).
- FROST HILLS CURRENT MANAGEMENT PLAN
(1981, 149pp., maps, tables).
- NORDEGG-RED DEER RIVER SUB-REGIONAL
PLAN RED DEER-JAMES MAP SHEET (1982,
140pp., tables).
- NORDEGG-RED DEER RIVER SUB-REGIONAL
PLAN CHUNGO-CLINE-NORDEGG MAP SHEET
(1982, 95pp., maps, illus., tables).
- NORDEGG-RED DEER RIVER SUB-REGIONAL
PLAN RAM-CLEARWATER MAP SHEET (1981,
92pp., tables).
- ROCKY-NORTH SASKATCHEWAN SUB-
REGIONAL PLAN (1982, maps, tables).

BIOPHYSICAL ANALYSIS AND EVALUATION OF CAPABILITY

- ‡● BRAZEAU RESERVOIR AREA - BIOPHYSICAL
ANALYSIS AND EVALUATION OF
CAPABILITY — T.F. Cameron (1974,
45pp., maps, illus., tables).
- ‡● CROWSNEST PASS - BIOPHYSICAL ANALYSIS
AND EVALUATION OF CAPABILITY — E.
Boyacioglu and C. Van Waas (1975,
27pp., maps, tables).
- ‡● FORT McMURRAY-GREGOIRE LAKE AREA -
BIOPHYSICAL ANALYSIS AND EVALUATION
OF CAPABILITY — P.C. Hanley and C. Van
Waas (1973, 46pp., tables).
- ‡● KAKWA FALLS AREA - BIOPHYSICAL
ANALYSIS AND EVALUATION OF
CAPABILITY — P. T. Hanley (1973, 55pp.,
maps, illus., tables).
- ‡● LAKE GEORGE AREA - BIOPHYSICAL
ANALYSIS AND EVALUATION OF
CAPABILITY - C. Van Waas and E.
Boyacioglu (1973, 32pp., maps).
- ‡● LAND USE PLAN FOR THE BIRCH HILLS
AREA — Land Use Assignment Committee
(1974, 110pp., maps, illus., tables).
- ‡● LAND USE STUDY SUFFIELD BLOCK — Land
Use Assignment Committee (1975,
96pp., maps, illus., tables).
- ‡● NAMUR LAKE AREA - BIOPHYSICAL
ANALYSIS AND EVALUATION OF
CAPABILITY — C. Van Waas (1974,
53pp.).
- ‡● POLL HAVEN AREA - BIOPHYSICAL
ANALYSIS AND EVALUATION OF
CAPABILITY - P.M. Ojamaa (1975, 52pp.,
maps, illus., tables).
- ‡● SADDLE HILLS LAND USE PLAN — C. Van
Waas (1972, 66pp.).
- †● BLUEBERRY MOUNTAIN AREA — C. Van
Waas (1978, 46pp., maps).
- ‡● CANMORE CORRIDOR — C. Van Waas
(1976, 66pp., maps, tables).
- †● CASTLE RIVER AREA — H. Anderson
(1978, 72pp., maps).
- †● CLEAR RIVER AREA — L.K. Brocke (1976,
52pp., maps).
- ‡● COLD LAKE AREA — P.M. Ojamaa (1978,
46pp., maps).
- †● DIXONVILLE AREA — C. Van Waas (1977,
30pp., maps).

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† Distribution limited to libraries, scientific researchers, etc. but
may be viewed in the Alberta Energy and Natural Resources
(ENR) library.

‡ Out of print. May be viewed in the ENR library.

- †• FORT ASSINIBOINE — E. Boyacioglu (1975, 31pp., maps).
- †• HIGH LEVEL — P. Kumar (1977, 47pp., maps).
- †• LA CRETE AREA — T.F. Cameron (1977, 47pp., maps).
- †• LAKELAND AREA — W.L. Strong (1978, 35pp., maps).
- †• LITTLE SMOKY AREA — P.M. Ojamaa (1978, 28pp., maps).
- ‡• McLENNAN AREA — Synergy West Ltd. (1977, 59pp., maps, illus., tables).
- †• ROCHESTER AREA — P. Kumar (1976, 26pp., maps).
- †• STURGEON LAKE AREA — E. Boyacioglu (1977, 30pp., maps).
- †• WHITECOURT AREA — C. Van Waas (1978, 39pp., maps).
- †• WHITEMUD HILLS — C. Van Waas (1977, 32pp., maps).

Reports and accompanying maps classifying land area by ecological (biophysical) parameters. The classification is the basis for land-use evaluations (presented by a system of land-use capability ratings).

‡ECOLOGICAL (BIOPHYSICAL) LAND CLASSIFICATION:

- BLACKFOOT GRAZING ASSOCIATION LEASE - A RE-EVALUATION — P.M. Ojamaa (19pp., maps, tables).
- ROCKY MOUNTAIN HOUSE GRAZING RESERVE STUDY AREA — P.M. Ojamaa, (1978, 22pp., tables)
- THREE CREEKS GRAZING RESERVE STUDY AREA — P.M. Ojamaa (1978, 29pp., maps, illus., tables).
- WAPITI SAND DUNE STUDY AREA, WITH USE-LIMITATION TABLE — P.M. Ojamaa (1977, 25pp., illus.).

ECOLOGICAL LAND CLASSIFICATION AND EVALUATION:

- ‡• BEAR CANYON GRAZING RESERVE — P.M. Ojamaa (1977, 23pp., maps).
- †• BRAZEAU-PEMBINA — K. DUTCHAK (1981, 66pp., maps, illus., tables).
- ‡• CACHE PERCOTTE AREA — H.G. Anderson (1980, 43pp., maps).
- †• CARCAJOU STUDY AREA — K.L. Dutchak (1979, 49pp., maps).
- ‡• FORT VERMILION GRAZING RESERVE STUDY AREA — P.M. Ojamaa (1977, 17pp., illus.).

- *• FROST HILLS — W.L. Strong (1982, 57pp., maps, tables).
- †• GHOST RIVER STUDY AREA — C.M. McGregor (1979, 64pp., maps).
- †• HIGHWOOD-SHEEP — H.G. Anderson (1979, 63pp., maps).
- †• JEAN D'OR PRAIRIE — W.L. Strong (1981, 60pp., maps, illus., tables).
- †• LIVINGSTONE-PORCUPINE — W.L. Strong (1979, 89pp., maps).
- ‡• MANNING GRAZING RESERVE STUDY AREA — P.M. Ojamaa (1977, 14pp., maps, illus.).
- ‡• PEMBINA GRAZING RESERVE STUDY AREA — P.M. Ojamaa (1979, 44pp., maps, illus., tables).
- *• SWAN HILLS TOWNSITE AREA — W.L. Strong (1982, 20pp., maps, tables).
- †• SWARTZ LAKE — W.L. Strong (1980, 40pp., maps, tables).

Reports and accompanying maps classifying land areas by ecological (biophysical) parameters.

*ECOREGIONS OF ALBERTA — W.L. Strong and K.R. Leggar (1981, 64pp., maps, illus., tables). Descriptions of the representative vegetation, characteristic climate, and soils for each ecoregion. Some of the common deviations are identified.

†EVALUATION OF FIVE GRANULAR DEPOSITS, McCLELLAND LAKE AREA — Thurber Consultants Ltd. (1981, 6 vols., maps, illus., tables). A physical evaluation of five granular deposits in the vicinity of the proposed Alsands project, intended to determine materials available for various construction uses.

†FORAGE INVENTORY OF:

- THE BRAZEAU-PEMBINA STUDY AREA — R.L. Wehrhahn (1981, 97pp., maps, illus., tables)
- THE JEAN D'OR PRAIRIE STUDY AREA — K.W. Bishoff (1981, 71pp., maps, illus., tables)
- THE ROCKY-NORTH SASKATCHEWAN STUDY AREA — J.H. Archibald (1981, 109pp., maps, illus., tables)

Reports and accompanying maps classifying the vegetation of the area to determine annual herbaceous forage.

†PHYSICAL LAND CLASSIFICATION OF:

- THE BERLAND CURRENT REGIONAL PLAN STUDY AREA — N.B. Ferguson (1980, 35pp., maps).
- THE BRAZEAU-PEMBINA STUDY AREA — S.S. Kocaoglu (1980, 39pp., maps).
- THE CACHE-PERCOTTE STUDY AREA — W.S. Tedder (1980, 35pp., maps).
- THE COLD LAKE STUDY AREA — D.J. Sauchyn (1979, 30pp., maps).
- THE GHOST RIVER STUDY AREA — W.S. Tedder (1980, 69pp., maps).
- THE IOSEGUN LAKE STUDY AREA — W.S. Tedder and D.J. Sauchyn (1979, 17pp., maps).
- THE LIVINGSTONE-PORCUPINE STUDY AREA — A.G. Levinsohn and E.W. Karpuk (1980, 53pp., maps).
- THE PEACE RIVER SLOPES STUDY AREA — W.S. Tedder (1981, 84pp., maps, illus., tables).
- THE PEMBINA GRAZING RESERVE AREA — E.W. Karpuk (1979, 17pp., maps, illus.).
- THE ROCHESTER STUDY AREA (PRELIMINARY) — W.S. Tedder, N.B. Ferguson, and E.K. Karpuk (1981, 50pp., maps, tables).
- THE ROCKY MOUNTAIN HOUSE GRAZING RESERVE STUDY AREA — D.J. Sauchyn (1979, 11pp., maps).
- THE SWARTZ LAKE STUDY AREA — K.J. Crockett (1980, 40pp., maps, illus., tables).
- THE WILLMORE-KAKWA AREA — N.B. Ferguson (1980, 56pp., maps, illus.).

A description of the physical landscape including geology, relief and geomorphology, drainage, slope, and soils. These reports can be used in conjunction with Physical Land Classification Maps, available through the Alberta Maps and Air Photo Distribution Centre (see page 2).

†TERRAIN SENSITIVITY CLASSIFICATION METHODOLOGY

— K. Crockett and R. Shelford (1981, 112pp., maps, illus., tables). A proposed technique for classifying the landscape into areas of similar inherent sensitivity.

‡VEGETATION AND FLORA OF THE CARIBOU MOUNTAINS, ALBERTA: A REPORT FOR THE NATURAL AREAS PROGRAM — P. Lee, R. Ellis

and P. Achuff (1981, 84pp., maps, illus., tables). A description of the plant communities and flora of this northern Alberta region.

INTEGRATED RESOURCE PLANS

REGIONAL

†INTEGRATED RESOURCE PLAN: LOWER PEACE RIVER REGIONAL OVERVIEW (1981, 120pp., maps, illus., tables). An overview of resource activities in the region, and identification of areas suitable for agricultural expansion and therefore more detailed subregional planning.

‡ROCKY-CLEARWATER MANAGEMENT OVERVIEW: FINAL REPORT AND RECOMMENDATIONS (1980, 43pp., maps). An overview recommending boundaries and priorities for Integrated Management Plans, objectives for plans to follow and development strategies for individual recommended Integrated Management Plan Priority Areas.

SUB-REGIONAL

*BEAVERHILL LAKE BACKGROUND INFORMATION (1981, 17pp., maps).

*BEAVERHILL LAKE LAND USE PLAN (1981, 17pp., illus., tables).

‡CANMORE CORRIDOR INTEGRATED LAND MANAGEMENT PLAN - C. Walker (1979, 28pp., maps). An integrated land management plan for the public lands in the Canmore Corridor.

‡LAND USE PLAN FOR THE BIRCH HILLS AREA — C. Van Waas (1974, 111pp., maps). A biophysical study with mapping and land use recommendations.

‡PEERLESS-GRAHAM LAKES RESOURCE MANAGEMENT PLAN — B. Pinnell and P. Short (1977, 114pp., maps). An integrated resource management plan.

†POLL HAVEN LAND USE PLAN — D. Lloyd (1977, 86pp., maps). An integrated resource management plan.

†SPRING CREEK AREA INTEGRATED RESOURCE MANAGEMENT PLAN (1980, 54pp., maps).

†WAPITI-GRANDE PRAIRIE SAND DUNES INTEGRATED LAND USE MANAGEMENT PLAN (1978, 125pp., maps). An integrated resource management plan.

GRAZING RESERVES

†BEAR CANYON GRAZING RESERVE LAND USE PLAN (1977, 49pp., maps). An integrated resource management plan for a provincial grazing reserve.

‡BLACKFOOT GRAZING RESERVE (1980, 30pp., maps).

†FORT VERMILION GRAZING RESERVE LAND USE PLAN (1977, 82pp., maps). An integrated resource management plan for a provincial grazing reserve.

†MANNING GRAZING RESERVE LAND USE PLAN (1977, 75pp., maps). An integrated resource management plan for a provincial grazing reserve.

†MEDICINE LAKE GRAZING RESERVE ADDITIONAL LAND USE PLAN (1977, 39pp., maps). An integrated resource management plan for a provincial grazing reserve.

*PEMBINA GRAZING RESERVE (1981, 43pp., maps, illus., tables).

*ROCKY MOUNTAIN HOUSE GRAZING RESERVE (1980, 41pp., maps).

†THREE CREEKS GRAZING RESERVE INTEGRATED LAND USE PLAN (1979, 85pp., maps). An integrated resource management plan for a provincial grazing reserve.



GENERAL (See also FISH - DEVELOPMENT)

†ANNUAL REVIEW TO ALBERTA FISH AND GAME ASSOCIATION CONVENTION: 1981 (1982, 53pp., tables). A summary of activities of the Fish and Wildlife Division of Alberta Energy and Natural Resources for fiscal year 1981-82.

‡CURRENT PESTICIDE USE IN ALBERTA: FISH AND WILDLIFE CONCERNS AND RECOMMENDATIONS — L.P. Horstman (1976, illus., tables).

†THE IMPACTS OF RECREATION ON FISH AND WILDLIFE WITH EMPHASIS ON KANANASKIS COUNTRY: A LITERATURE REVIEW AND PARTIAL BIBLIOGRAPHY: PLANNING DOCUMENT NO. 4 — B. Cornish, J. Van Camp, and M. McNicholl (1980, 116pp., tables). A discussion of the effect road development and access for recreation might have on habitat and wildlife.

†NORTHERN WILD SHEEP COUNCIL SYMPOSIUM PROCEEDINGS, 1972 — Edited by E.G. Scheffler (1972, 117pp., maps, illus., tables). Twelve research papers on management, diseases and parasites, and behavior, plus two panel discussions.

‡OCCURRENCE OF INGESTED LEAD SHOT IN ALBERTA DUCKS: 1977 — H.R. Weaver (1978, 17pp., tables). A study of the mortality of waterfowl from lead poisoning.

†PROCEEDINGS OF THE EIGHTH BIENNIAL PRONGHORN ANTELOPE WORKSHOP: JASPER, ALBERTA, CANADA, May 2-4, 1978 (n.d., 532pp., illus., tables).

†THE PRONGHORN ANTELOPE IN ALBERTA — George J. Mitchell (1980, 165pp., maps, illus., tables). Research results from broadscale studies of pronghorn in Alberta.

†RECOVERY DISTRIBUTION FROM SUMMER DUCK BANDING IN ALBERTA — H. Weaver, B. Turner, S. Pryor, and J. Allen (1979, 127pp., illus., tables).

†A REVIEW OF THE ECOLOGICAL RELATIONSHIPS BETWEEN MULE AND WHITE-TAILED DEER — August Kramer (1971, 48pp., maps, illus., tables). An investigation into the co-existence of two deer species.

‡WILDLIFE PROJECTS (1980/81 (1981, 98pp.). A listing of current wildlife branch projects including background, objectives and results. Revision being done.

HABITAT

*NATURAL VEGETATION COMMUNITIES NEAR ROCHESTER, ALBERTA — D.H. Rusch, L.B. Keith and E.C. Meslow (1971, 22pp., maps, illus., tables). Results of sampling of vegetation in a four square mile study area near Rochester, including descriptions of the four vegetation communities and a discussion of their origins.

HUNTING AND TRAPPING

†COMPULSORY REGISTRATION OF BIG GAME KILLS IN NORTH AMERICA — C. Lynch and H. Carr (1974, 18pp., tables). Results of questionnaires sent to 62 wildlife management agencies regarding the use of compulsory registration.

*ECONOMIC EVALUATION OF ALBERTA ZONE I MOOSE HUNTING ACTIVITY — W.S. Pattison (n.d., 62pp., illus., tables). A report measuring the net social benefits and economic impact of hunting.

‡ENCOUNTERS BETWEEN HUNTERS AND PARASITES OF MOOSE IN ALBERTA — W.M. Samuel (n.d., 21pp., illus., tables). An investigation into the loss of moose meat because of infestations.

‡A QUESTIONNAIRE SURVEY OF REGISTERED TRAPPERS IN ALBERTA IN 1977 — D.H. Meredith and A.W. Todd (1979, 100pp., graphs, tables). A 1977 survey to determine the characteristics of registered trappers, their problems, needs and expectations, attitudes, and trapping patterns and trends.

†A STUDY OF WINTER COYOTE HUNTING IN ALBERTA WITH EMPHASIS ON USE OF SNOWMOBILES — S.P. Wermore, C.H. Nellis, and L.B. Keith (n.d., 42pp., illus., tables). Results of a 1967-

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‡ Out of print. May be viewed in the ENR library.

68 study into the methods and success of hunting coyotes, the coyote survival rate, and the attitudes of farmers, sportspeople and department staff towards coyote hunting and various hunting methods.

INVENTORIES

†INVENTORY OF NON-GAME MAMMALS IN KANANASKIS COUNTRY: PLANNING DOCUMENT NO. 3 — T.A. Mill and P. Anderson (1980, 72pp., maps, tables). A description of the current status of 46 mammals, and discussion of population dynamics and harvesting.

†A REVIEW OF BIRDS AND THEIR HABITATS IN KANANASKIS COUNTRY: PLANNING DOCUMENT NO. 2 — A.N. Wiseley (1979, 168pp., maps, tables). A report listing all bird species recorded, and the habitat in which they were found.

LAW ENFORCEMENT

‡AN ANNOTATED BIBLIOGRAPHY ON THE SOCIAL AND BEHAVIORAL ASPECTS OF WILDLIFE LAW ENFORCEMENT — M.J. Melnyk (1978, 40pp.).

‡BIBLIOGRAPHY OF FORENSIC SCIENCE IN WILDLIFE LAW ENFORCEMENT — ed. M. Wilson (1978, 171pp.).

†FACTORS ASSOCIATED WITH WILDLIFE LAW VIOLATION IN ALBERTA — M.J. Melnyk (1978, 115pp., tables).

‡HUNTER ATTITUDES TOWARD ALBERTA'S WILDLIFE LAWS AND WILDLIFE OFFICERS — M.J. Melnyk (1977, 28pp., illus., tables). Results of a 1975 study.

MANAGEMENT

‡CHEMICAL IMMOBILIZATION OF NORTH AMERICAN GAME MAMMALS — D.M. Hebert and R.J. McFetridge (1979, 250pp., illus., tables, second edition, revised). Summary of available information on methodology of immobilization and tranquilization of wild animals.

‡ENVIRONMENTAL EFFECTS OF FORESTRY OPERATIONS IN ALBERTA: FISH AND WILDLIFE CONCERNS. (1978, 106pp., illus., tables, graphs).

†HABITAT MANAGEMENT AND MANIPULATION FOR WILDLIFE IN KANANASKIS COUNTRY: STRATEGIES AND METHODOLOGY: PLANNING DOCUMENT NO. 7 — A.N. Wiseley (1980, 52pp.).

*INTERACTIONS OF NORDIC SKIERS WITH UNGULATES IN ELK ISLAND NATIONAL PARK — M.A.D. Ferguson and L.B. Keith (1981, 31pp., maps, tables). Results of a questionnaire to skiers in January-March 1979 on use of the park, observations of wildlife, flight responses, values of skiing and closing of trails to mitigate harmful effects on wildlife.

†METHODOLOGY USED FOR ALBERTA LAND INVENTORY OF FURBEARERS — A.W. Todd (1978, 68pp., illus., tables). The development and nature of the furbearer inventory system adopted by the Alberta government.

*1981 PHEASANT RAISE AND RELEASE PROGRAM (1981, 25pp., maps, illus.) A step-by-step guide for public participants in this program.

*RESPONSES OF COYOTES TO WINTER REDUCTION IN AGRICULTURAL CARRION — A.W. Todd and L.B. Keith (1976, 32pp., illus., tables). Summary of results of a study to evaluate the control of coyote populations through elimination of agricultural carrion in the winter of 1972/73 and 1973/74 near Westlock, Alberta.

†A REVIEW OF ALBERTA FUR PRODUCTION AND MANAGEMENT: 1920-21 TO 1977-78 — A.W. Todd and L.C. Geisbrecht (1979, 64pp., illus., tables).

‡TRANSACTIONS OF THE 1972 NORTHERN WILD SHEEP COUNCIL (1972, 117pp., maps, illus., tables). Collection of papers from a symposium at Hinton, April 11-13, 1972, on disease, parasites, behavior and management of wild sheep.

‡A WILDLIFE MANAGEMENT PLAN FOR WILLMORE WILDERNESS PARK — J. Olynyk (1980, 93pp., maps, illus., tables). A description of the flora and fauna and ways it can be retained with industrial and recreational activities in the park.

MISCELLANEOUS

CLIMATE

‡LIGHTNING MEANS IN ALBERTA: 1972-77 (1979, 7pp., illus.). A summary of the incidence of lightning.

‡LIGHTNING OVER ALBERTA: MAY-SEPTEMBER:

- 1974
- 1975
- 1976
- 1977
- 1978

A summary of lightning incidence.

†PRECIPITATION MEANS: ALBERTA FORESTRY STATIONS: MAY TO SEPTEMBER 1963-1970 — E. V. Stashko (1971, 32pp., illus., tables). Data on the precipitation of forested areas, and the relationship between amount and local topography.

†PRECIPITATION OVER ALBERTA: MAY-SEPTEMBER:

- 1971
- 1973
- 1974
- 1975

A report analysing and mapping monthly precipitation, cumulative precipitation, and abnormalities.

*PROCEEDINGS OF THE 1980 ANNUAL MEETING OF THE ALBERTA CLIMATOLOGICAL ASSOCIATION — ed. K. Leggar (1980, 56pp.). A report on activities of the association for 1979-80, and the climate-related activities of Alberta agencies.

‡THE 1981 SYNOPSIS OF THE SACRAMENTO PRECIPITATION STORAGE GAUGE NET WORK — P. Jablonski (1981, 11pp., tables).

‡SACRAMENTO STORAGE GAUGE NETWORK 1982 SPRING SUMMARY — P. Jablonski (1982, 13pp., maps, tables).

KEY TO AVAILABILITY:

- One copy on request.
- † Distribution limited to libraries, scientific researchers, etc. but may be viewed in the Alberta Energy and Natural Resources (ENR) library.
- ‡ Out of print. May be viewed in the ENR library.

